

### **ABSTRACT OF THE DISCLOSURE**

A computerized method and apparatus for analyzing numerical data pertaining to a sample assay comprising at least one biological sample, with the data including a set of data pertaining to each respective sample, and each set of data including a plurality of values each representing a condition of the respective sample at a point in time. The method and apparatus assigns a respective numerical value to each of the data values, corrects the data values by removing an additive background value from each of the data values, computes a single metric for each patient and compares that values to two known reference values to determine the genotype.